

REMARKS

Rejection of claims 1-16 under 35 U.S.C. § 102(b)

Claims 1-16 currently stand rejected as being anticipated by Canon (U.S. Patent 5,099,181. This rejection is respectfully traversed for the following reasons.

Claim 1 recites "a motor driving system comprising a power supply unit and a driving element". Further, claim 1 specifies that the driving element includes "a signal generating unit, a comparing unit, and a control unit". Claim 9 similarly recites "a motor driving system comprising a power supply unit, a voltage stabilizing unit, and a driving element", further specifying that the driving element includes "a voltage stabilizing unit, a signal generating unit, a comparing unit, and a control unit". Canon fails to teach a driving element that includes a signal generating unit, a comparing unit, and a control unit, as recited in claim 1, and further fails to teach a driving element that includes a voltage stabilizing unit, as further recited in claim 9.

The Examiner states that "Canon discloses the power supply providing input supply voltage to a zener diode (ZD1 or ZD2) which are voltage stabilizing elements and part of a voltage stabilizing circuit to produce a constant voltage to a driving element including an integrated circuit IC1". The Examiner further states that Canon "depicts a signal generating circuit including a [thermistor] (RT) and a capacitor (C2) (RC circuit) wherein a signal is input to an integrated circuit IC3". However, the Examiner fails to identify a "comparing unit, and a control unit" as recited by claim 1, although the Examiner does note that a voltage (Vc) "is being compared with a constant voltage (Vth)", and that a comparison signal is "provided by the integrated [circuit] IC3 [...] to the drive element IC1". Thus, Canon's voltage stabilizing circuit, signal generating circuit, and voltage comparison are the product of interaction of multiple components including multiple integrated circuits, and are not embodied within a single driving element.

It is thus seen that Canon, to the extent that it even discloses a signal generating unit, a comparing unit, and a control unit, fails to teach or suggest a driving element that includes each of a signal generating unit, comparing unit, and control unit, as recited by

claim 1, and fails to teach or suggest a driving element that includes each of a voltage stabilizing unit, signal generating unit, comparing unit, and control unit, as recited by claim 9.

It is submitted that, because Canon fails to teach every element of claims 1 and 9, Canon fails to anticipate claims 1-16. Withdrawal of the rejection is respectfully requested.

Regarding the Examiner's rejection of claims 6 and 14, the Examiner noted that Canon "does not explicitly does not explicitly describe having an oscillator". While the Examiner describes a varactor diode circuit, and states that such a varactor diode circuit functions as an oscillator, Canon neither teaches nor suggests that either of the two diodes (D2, D3) is a varactor diode, nor is any suggestion made that it is desirable for the diodes (D2, D3) to function as an oscillator in the manner described by the Examiner. To the contrary, the function of the diodes is stated simply to be that "the pulse voltage resulted from the phase changing action is absorbed by diodes D2, D3, and a power stabilizing Zener diode ZD1". Moreover, even assuming *arguendo* that the diodes (D2, D3) could function as an oscillator as described by the Examiner, claims 6 and 14 recite that "said signal-generating unit is an oscillator", not merely that an oscillator is present somewhere in the circuit. It must be noted that the Examiner's identification of the diodes (D2, D3) as a signal-generating unit embodied as an oscillator is somewhat at odds with the Examiner's identification, previously, of a signal-generating circuit comprised of the thermistor (RT) and the capacitor (C2).

Conclusion

In view of the foregoing remarks, it is respectfully submitted that the application is in condition for allowance. Accordingly, it is requested that claims 1-16 be allowed and the application be passed to issue.

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Examiner: Eduardo Colon Santana
Art Unit: 2837

If any issues remain that may be resolved by a telephone or facsimile communication with the Applicant's attorney, the Examiner is invited to contact the undersigned at the numbers shown.

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Respectfully submitted,

A handwritten signature in black ink, appearing to read "Justin J. Cassell". The signature is fluid and cursive, with the first name "Justin" and last name "Cassell" clearly distinguishable.

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